

Owner's Operating Service Instruction Manual

10¢

- ASSEMBLY
- OPERATION
- REPAIR PARTS

Model Nos.

**246-670A
246-680A**

POWER VACUUMS

I M P O R T A N T

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see operating section of this manual for proper fuel and amount.

SAFE OPERATION PRACTICES FOR POWER VACUUMS

1. Read the operating and service instructing manual carefully. Be thoroughly familiar with the controls and proper use of the power vacuum.
2. Never allow children to operate this power vacuum.
3. Keep the area of operation clear of all persons, particularly small children and pets.
4. Check fuel before starting engine. Do not fill fuel tank indoors, when engine is running, or while engine is hot. Wipe off any spilled fuel before starting engine.
5. Do not change engine governor settings.
6. Do not put hands near rotating parts for any reason.
7. If the power vacuum should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
8. Before cleaning, repairing or inspecting make certain all moving parts have come to a complete stop. Disconnect spark plug wire and keep wire away from plug to prevent accidental starting. Also keep throttle control lever in the stop position.
9. If the power vacuum should become blocked with debris at any point shut engine off and wait until the impeller comes to a complete stop before attempting to remove the obstruction. Disconnect spark plug wire to prevent accidental starting.
10. Check all bolts for tightness at frequent periods.
11. Never store this power vacuum with fuel in the tank. Allow engine to cool before starting in any enclosure.
12. Keep bag and equipment free of debris when not in use.
13. Never operate this power vacuum unless air duct and vacuum bag are properly affixed in their place. Large zippered end of bag must be closed when operating to prevent objects from being blown out.
14. Never empty vacuum bag when engine is running.
15. Never change inlet nozzle or auxiliary hose attachment when engine is running.
16. The manufacturer recommends that the operator wear safety glasses or some other suitable eye protection when operating this machine.
17. Check the vacuum bag frequently for wear and replace when necessary.

ASSEMBLY INSTRUCTIONS

(Refer to figures 1, 2 and 3)

1. Place the upper handle in position and fasten with four (4) hex screws and hex centerlock nuts provided.
2. Place the air duct liner in the elbow of the air duct and fasten in position as you assemble the air duct in step 3. (See figure 1.)
3. Place the air duct in position on the blower housing and fasten with four (4) flat washers and hex nuts provided.
4. Slide the vacuum bag over the back of the upper handle and snap the four flaps to hold the bag.
5. Fasten the deflector on the top of the air duct with three hex screws, flat washers and hex nuts. (See figure 1.)
6. Slide the bag over the air duct.
7. Fasten the nozzle to the front of the vacuum with four flat washers and thumb nuts provided.
8. Use the following steps on the self propelled unit only.
9. Fasten the throttle control to the right hand side of the upper handle with one hex screw and hex center locknut provided.
10. Secure throttle control cable to the lower handle with the cable clip provided.



Cable clip must be assembled to lower handle with the open end towards the engine. This will prevent wear to the bag.

11. Place ferrule through control lever.
12. Place flat washer over ferrule and thread control rod into ferrule about eight or nine turns.
13. Hook formed end of control rod in the shifting finger.
14. Place curved face of spacer towards the outside of upper handle left hand side.
15. Fasten control lever in position with hex screw and two hex nuts provided.

16. Engage and disengage control lever, check for free pivoting action. It may be necessary to readjust the control rod.

OPERATION

1. Service engine with gas and oil. See engine manual packed with lawn mower for complete instructions for care and maintenance of engine. **READ DIRECTIONS CAREFULLY.**

START ENGINE

After the engine has been properly fueled and oiled (refer to engine operating and maintenance instructions), start engine in the following manner.

PUSH MODEL

1. Move throttle control lever on engine to START position.
2. Crank engine. Pull recoil with a quick firm pull. Do not pull out so far that rope stops with a jerk as this will cause rope failure. Do not allow rope and handle to snap back into place.
3. After two or three full firm pulls on recoil (or as soon as engine fires), move speed control to run position.
4. Operate a new engine at intermediate speeds and light load for the first few hours as you would a new automotive engine.
5. To stop engine, move speed control lever on engine to STOP position.
6. If carburetor needs adjustment to start or for operation, see "Carburetor Readjustment" section.

SELF PROPELLED MODEL

1. Place drive engagement lever in the neutral position (towards the operator).
2. Move throttle control lever on handle to START position.
3. Crank engine. Pull recoil with a quick firm pull. Do not pull out so far that rope stops with a jerk as this will cause rope failure. Do not allow rope and handle to snap back into place.

246-670A

246-680A

IF YOU WRITE TO US ABOUT THIS ARTICLE
OR IF YOU ORDER REPLACEMENT PARTS AL-
WAYS MENTION THIS MODEL & SERIAL NO
M O D E L

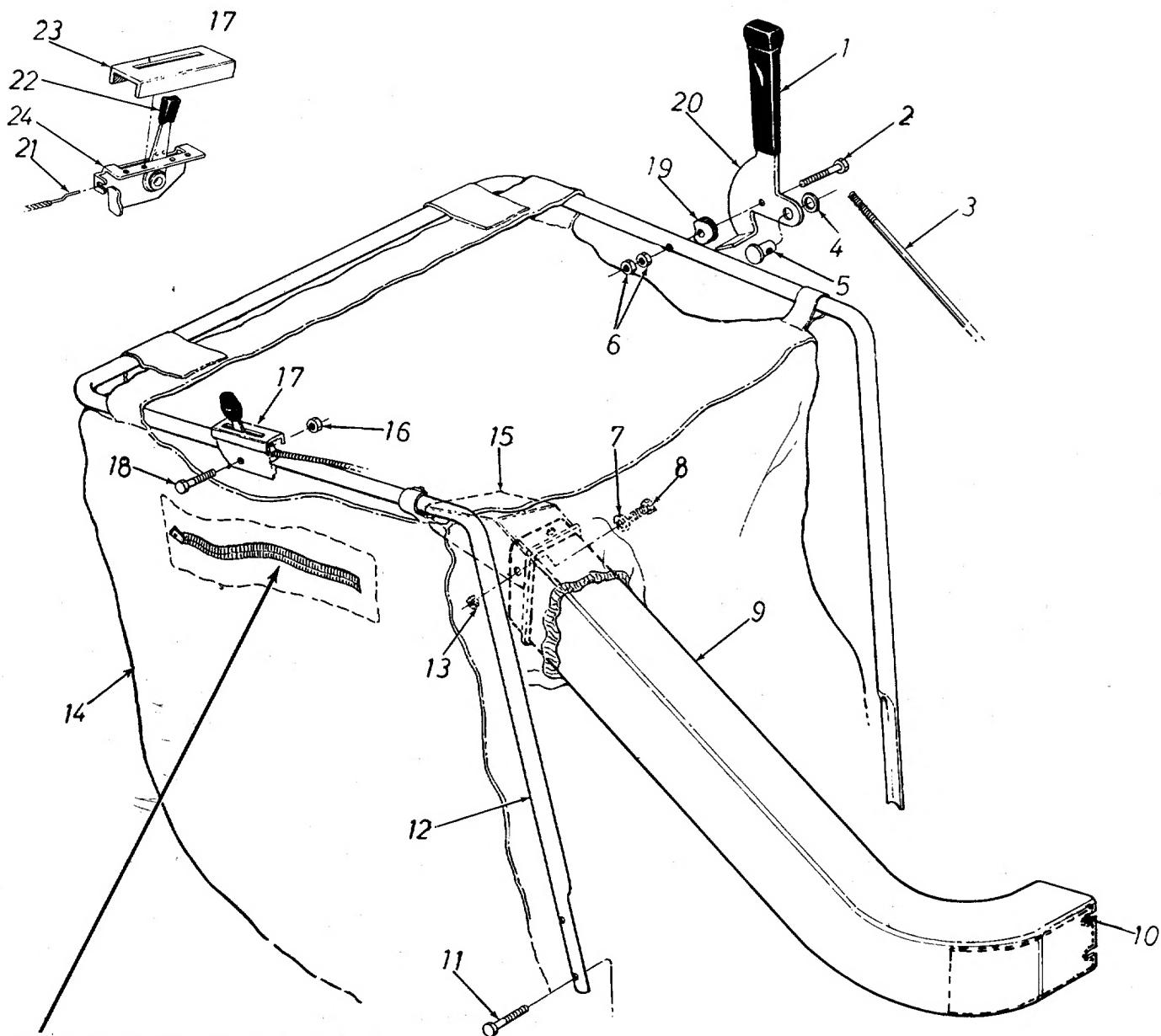


FIGURE 1. EXPLODED VIEW OF UPPER HANDLE

PARTS LIST FOR MODEL 246-670A AND 246-680A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-0142		Grip (246-680A)	
2	710-0606		Hex Scr. 1/4-20 x 1.50" Lg. * (246-680A)	
3	711-0596		Control Rod (246-680A)	
4	736-0108		Fl. Wash. .510" I.D. x .75" O.D. (246-680A)	
5	711-0179		Adj. Ferrule (246-680A)	
6	712-0107		Hex Center L-Nut 1/4-20 Thd. (246-680A)	
7	736-0173		Flat Wash. .28" I.D. x .75" O.D. x .063	
8	710-0289		Hex Scr. 1/4-20 x .50" Lg. *	
9	731-0212		Air Duct	
10	12262		Air Duct Liner	
11	710-0106		Hex Scr. 1/4-20 x 1.25" Lg. *	
12	12234		Upper Handle	
13	712-0107		Hex Center L-Nut 1/4-20 Thd.	
14	764-0127		Vacuum Bag	
15	12104		Deflector	
16	712-0107		Hex Center L-Nut 1/4-20 Thd.	
17	11609		Throttle Control Assy.— Comp. (246-680A)	
18	710-0606		Hex Scr. 1/4-20 x 1.50" Lg. *	
19	748-0210		Spacer (246-680A)	
20	12226		Control Lever (246-680A)	
21	746-0229		Conduit and Wire (246-680A Only)	
22	07470		Throttle Control—Knob (246-680A)	
23	731-0344		Plastic Label (246-680A)	
24	11598		Throttle Control Ass'y. (246-680A)	N

(463—Top Flite Red)

When ordering parts, if color or finish is important use the appropriate color code shown above (e.g. Top Flite Red Finish—12236 (463).)

NOTE: This instruction manual covers various models and all accessories shown do not necessarily apply to your model vacuum. The engine is NOT under warranty by the vacuum manufacturer.

If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



*For faster service obtain standard nuts, bolts, and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

246-670A

246-680A

NOTE:

Cable clip must be assembled to lower handle as shown, with open end towards the engine. This will prevent wear to the bag.

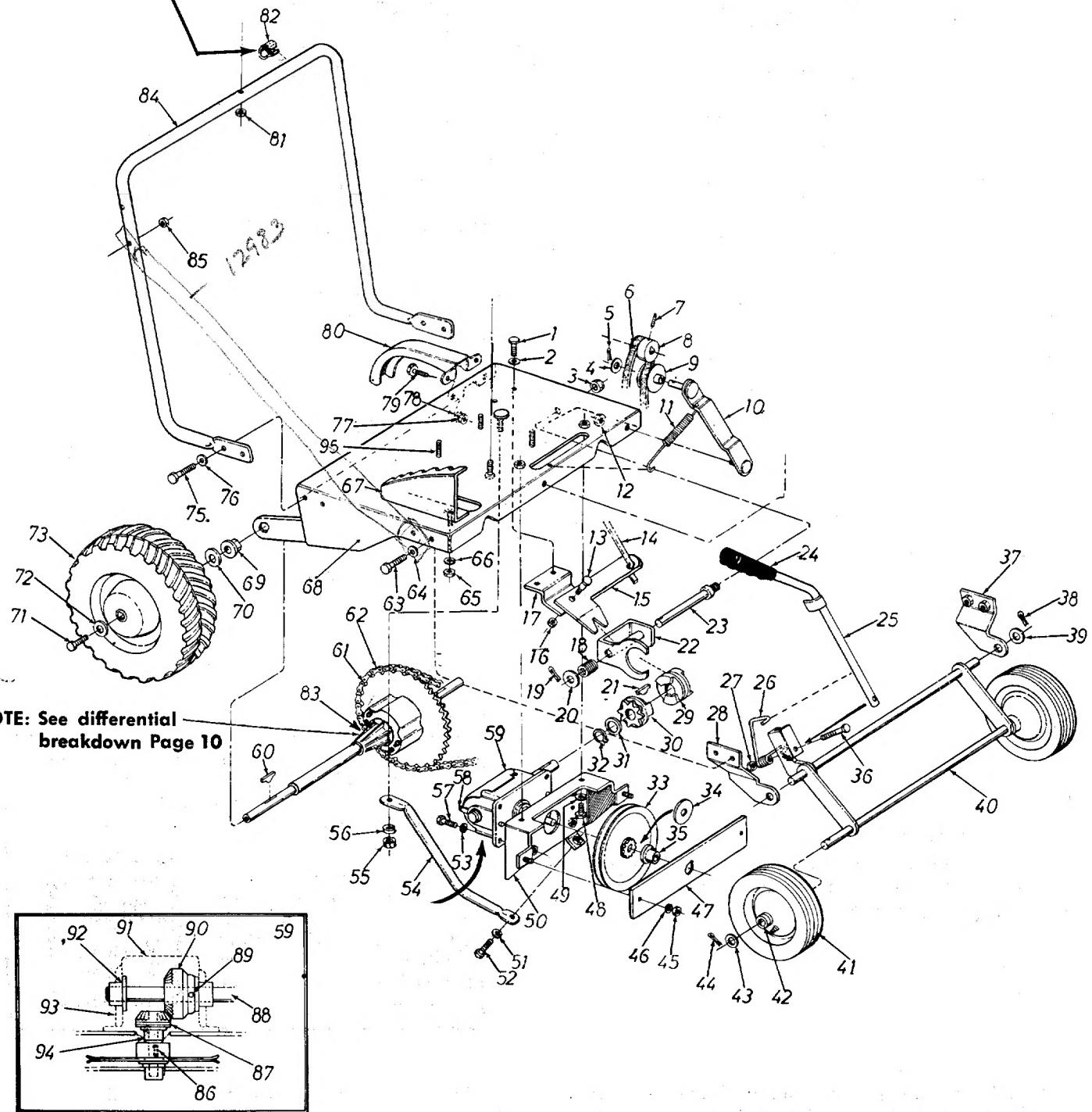


FIGURE 2. EXPLODED VIEW OF FRAME

PARTS LIST FOR FIGURE 2 MODEL 246-670A and 246-680A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0258		Hex Scr. 1/4-20 x .62" Lg.* (246-680A)		49	736-0119		L-Wash. 5/16" Scr.* (246-680A)	
2	736-0329		Spring L-Wash. 1/4" Scr.* (246-680A)		50	12211 —463		Gear Box Mtg. Brkt. Ass'y. (246-680A)	
3	712-0116		Hex Ins L-Nut 3/8-24 Thd. (246-680A)		51	736-0119		L-Wash. 5/16" Scr.* (246-680A)	
4	736-0117		Fl.-Wash. (246-680A)		52	710-0118		Hex Scr. 5/16-18 x .75" Lg.* (246-680A)	
5	714-0127		Cotter Pin 1/16" Dia. x .75" (246-680A)		53	736-0329		L-Wash. 1/4" Scr.* (246-680A)	
6	754-0176		"V"-Belt 1/4" x 22.76" Lg. (246-680A)		54	12222 —463		Gear Box Brace (246-680A)	
7	710-0938		Set Scr. 1/4-28 x .25" Lg. (246-680A)		55	712-0267		Hex Nut 5/16-18 Thd.* (246-680A)	
8	711-0614		P.T.O. Sheave (246-680A)		56	736-0119		L-Wash. 5/16" Scr. (246-680A)	
9	756-0194		Idler Pulley (246-680A)		57	710-0258		Hex Scr. 1/4-20 x .62" Lg.* (246-680A)	
10	12206		Idler Brkt. Ass'y. (246-680A)		58	710-0148		Hex Wash. Hd. F-Tapp Scr. #8 -32 x .38" Lg. (246-680A)	
11	732-0157		Spring .38" O.D. (246-680A)		59	—		Gear Box Breakdown See Ref. No's. 86 through 94 (246-680A)	
12	712-0429		Hex Ins. L-Nut 5/16-18 Thd. (246-680A)		60	714-0126		#9 Hi-Pro-Key 3/16" x 3/4" Dia. (246-680A)	
13	738-0140		Shoulder Bolt .437" Dia. x .180 (246-680A)		61	713-0118		Chain #41 x 61 Links (246-680A)	
14	711-0596		Control Rod (246-680A)		62	713-0723		#41 Master Link 1/2" Pitch Type II (246-680A)	
15	12231		Shifting Finger (246-680A)		63	710-0118		Hex Scr. 5/16-18 x .75" Lg.* (246-680A)	
16	712-0429		Hex Ins. L-Nut 5/16-18 Thd. (246-680A)		64	736-0119		L-Wash. 5/16" Scr.* (246-680A)	
17	12213 —463		Pivot Brkt. Ass'y. (246-680A)		65	712-0267		Hex Nut 5/16-18 Thd.* (246-680A)	
18	732-0237		Compression Spring (246-680A)		66	736-0119		L-Wash. 5/16" Scr.* (246-680A)	
19	714-0474		Cotter Pin 1/8" Dia. x .75" Lg.* (246-680A)		67	12224		Index Plate Ass'y. (246-680A)	
20	736-0300		Fl.-Wash. (246-680A)		68	12200 —463		Engine Mtg. Frame Ass'y. (246-680A)	
21	714-0137		Hi-Pro-Key 3/16" x 3/4" Dia. x 1.062" Lg. (246-680A)		69	748-0227		Hex Flange Bearing .630" I.D. (246-680A)	
22	12216		Shifting Yoke Ass'y. (246-680A)		70	736-0116		Fl.-Wash. (246-680A)	
23	711-0594		Shifting Fork Rod (246-680A)		71	710-0258		Hex Scr. 1/4-20 x .62" Lg.* (246-680A)	
24	720-0132		Grip (246-680A)		72	736-0211		Fl.-Wash. (246-680A)	
25	12208		Index Handle Ass'y. (246-680A)		73	734-0576		Rear Wheel Ass'y. Comp. (246-680A)	
26	732-0231		Torsion Spring (246-680A)		75	710-0118		Hex Scr. 5/16-18 x .75" Lg.* (246-680A)	
27	712-0107		Hex Center L-Nut 1/4-20 Thd. (246-680A)		76	736-0119		L-Wash. 5/16" Scr.* (246-680A)	
28	12240 —463		Pivot Brkt. Ass'y.—R.H. (246-680A)		77	712-0287		Hex Nut 1/4-20 Thd.* (246-680A)	
29	748-0161		Clutch Collar (246-680A)		78	736-0329		L-Wash. 1/4" Scr.* (246-680A)	
30	748-0164		Sprocket 10 Teeth (246-680A)		79	710-0258		Hex Scr. 1/4-20 x .62" Lg.* (246-680A)	
31	736-0116		Fl.-Wash. (246-680A)		80	12232		Chain Guard (246-680A)	
32	716-0115		Snap Ring for .625" Dia. (246-680A)		81	712-0107		Hex Center L-Nut 1/4-20 Thd. (246-680A)	
33	756-0195		Drive Pulley (246-680A)		82	746-0128		Cable Clip (246-680A)	
34	736-0160		Fl.-Wash. (246-680A)		83	738-0185		Rear Axle (246-680A)	
35	748-0742		Flange Bearing (246-680A)		84	12233		Differential Ass'y. Comp. (246-680A)	
36	710-0136		Hex Scr. 1/4-20 x 1.75" Lg.* (246-680A)		85	712-0107		Lower Handle (246-680A)	
37	12241 —463		Pivot Brkt. Ass'y.—L. H. (246-680A)		86	714-0229		Hex Center L-Nut 1/4-20 Thd. (246-680A)	
38	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.* (246-680A)		87	748-0136		#2 Woodruff Key 3/32 x 1/2" Dia. Hdn. (246-680A)	
39	736-0116		Fl.-Wash. (246-680A)		88	711-0593		Pinion Gear .50" I.D. x 14 Teeth (246-680A)	
40	12217 —463		Front Axle Ass'y. (246-680A)		89	715-0246		Drive Shaft (246-680A)	
41	734-0225		Front Wheel Ass'y.—Comp. (246-680A)		90	748-0135		Spring Pin Spirol 3/16" Dia. x 1.25 (246-680A)	
42	748-0176		Flange Bearing .630" I.D. (246-680A)		91	08187		Bevel Gear .62" I.D. 28 Teeth (246-680A)	
43	736-0116		Fl.-Wash. (246-680A)		92	748-0110		Gear Box Cover (246-680A)	
44	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.* (246-680A)		93	08189		Flange Bearing .630" I.D. (246-680A)	
45	712-0107		Hex Center L-Nut 1/4-20 Thd. (246-680A)		94	748-0108		Gear Box (246-680A)	
46	736-0329		L-Wash. 1/4" Scr.* (246-680A)		95	710-0442		Flange Bearing .503" I.D. (246-680A)	
47	12227 —463		Bearing Support Brkt. (246-680A)					Hex Scr. 5/16-18 x 1.50 Lg.* (246-680A)	
48	710-0118		Hex Scr. 5/16-18 x .75" Lg. (246-680A)						

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246-680A

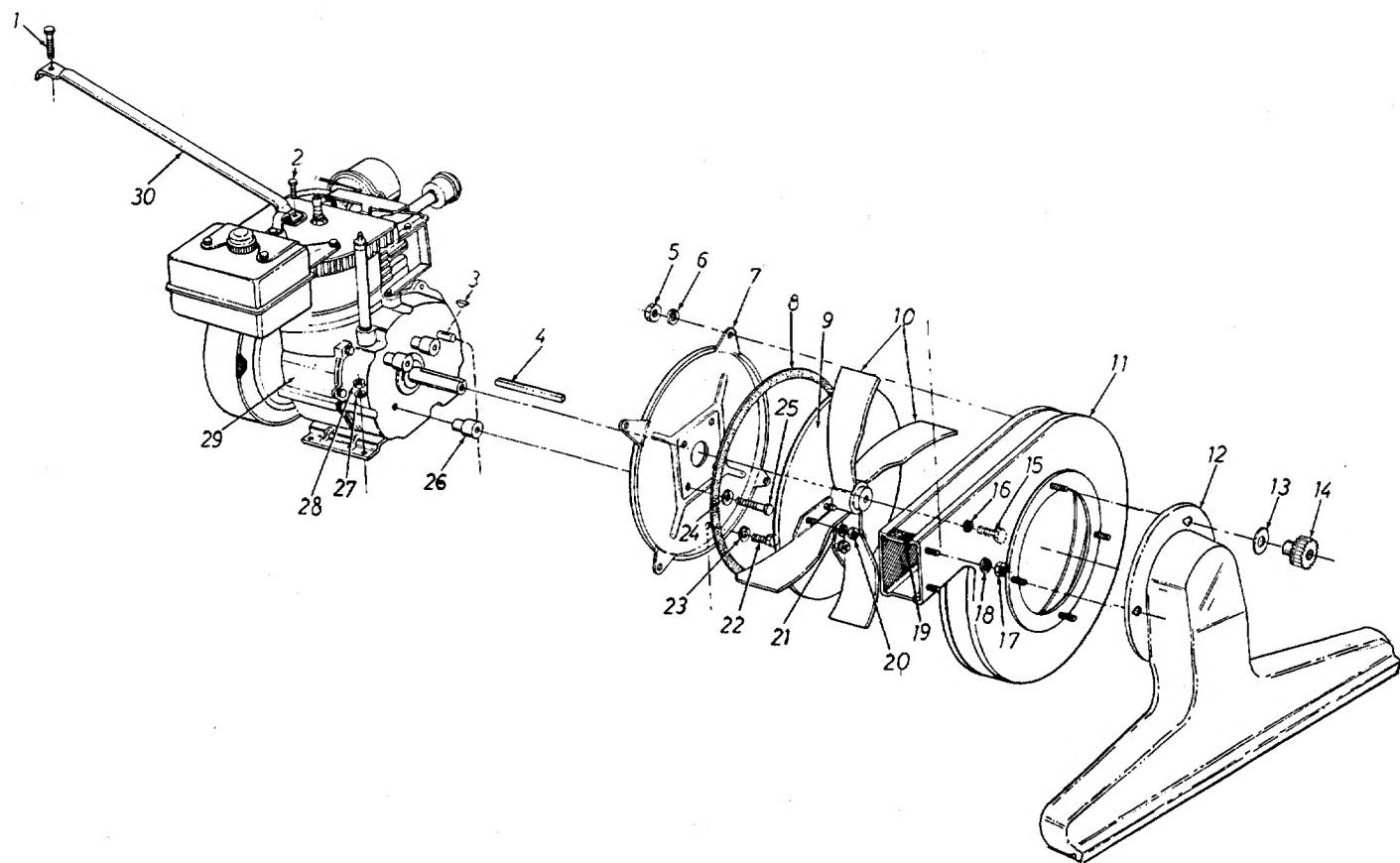


FIGURE 3. EXPLODED VIEW OF DRIVE ASSEMBLY

PARTS LIST FOR MODEL 246-670A AND 246-680A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0106		Hex Scr. 1/4-20 x 1.25" Lg.*	
2	—		Part of Engine	
3	714-0108		Woodruff Key (246-680A)	
4	714-0114		Sq. Key 1/4" x 2.00" Lg.	
5	712-0267		Hex Nut 5/16-18" Thd.*	
6	736-0119		L-Wash. 5/16" Scr.*	
7	11452 —463		Hopper to Engine Mtg. Plate	
8	721-0128		Gasket Strip—Pressure Sen.	
9	12203 —463		Vane Plate Ass'y.	
10	12230 —463		Air Vane	
11	12236 —463		Blower Housing Ass'y.	
12	731-0211		Nozzle	
13	736-0159		Fl.-Wash. .344" I.D. x .88" O.D. x .063	
14	712-0254		Thumb Nut 5/16-18 Thd.	
15	710-0239		Hex Scr. 3/8-24 x 1.75" Lg. H.T.	
16	736-0217		L-Wash. 3/8" Scr. Heavy Duty	
17	712-0107		Hex Center L-Nut 1/4-20 Thd.	
18	736-0211		Fl.-Wash. .285" I.D. x 1.25" O.D. x .060	
19	721-0129		Dust Pad—Pressure Sensitive	
20	712-0241		Hex Nut 3/8-24" Thd.*	
21	736-0217		L-Wash. 3/8" Scr. Heavy Duty	
22	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
23	736-0119		L-Wash. 5/16" Scr.*	
24	736-0119		L-Wash. 5/16" Scr.*	
25	710-0409		Hex Scr. 5/16-24 x 1.75" Lg.*	
26	711-0591		Engine Spacer	
27	736-0119		L-Wash. 5/16" Scr.*	
28	712-0267		Hex Nut 5/16-18 Thd.*	
29	—		Engine	
30	12228		Handle Brace	

(463—Top Flite Red)

When ordering parts, if color or finish is important use the appropriate color code shown above (e.g. Top Flite Red Finish—12236 (463).)

NOTE: This instruction manual covers various models and all accessories shown do not necessarily apply to your model vacuum.

The engine is NOT under warranty by the vacuum manufacturer.

If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

Find us fast in the



*For faster service obtain standard nuts, bolts, and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

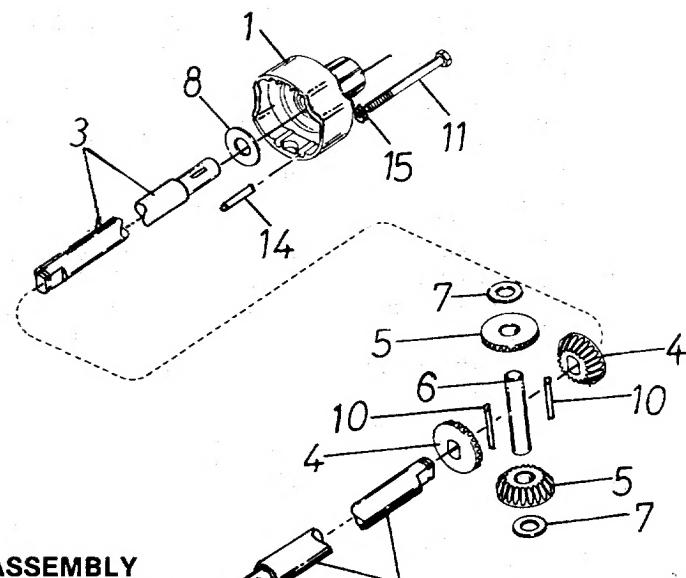
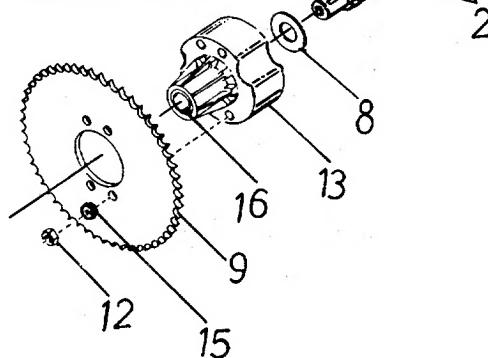


FIGURE 4.
MODEL 717-0284 DIFFERENTIAL ASSEMBLY



PARTS LIST FOR FIGURE 4 MODEL 246-680A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	719-0159		Housing Half (1)	
2	738-0217		Shaft—Short (1) 8.31" Lg. (1)	
3	738-0218		Shaft—Long (1) 15.38" Lg. (1)	
4	748-0185		Gear—Double "D" Hole (2)	
5	748-0158		Gear—Round Hole (2)	
6	711-0261		Drive Pin (1)	
7	736-0187		Flat Washer (2)	
8	736-0188		Washer (2)	
9	09054		Sprocket 40 Tooth (1)	
10	715-0247		Spiro Pin 3/16" Dia. x 1.00" Lg. * (2)	
11	710-0526		Hex Hd. Cap Scr. 5/16-24 x 4.00" Lg. * (4)	
12	712-0237		Hex Locknut 5/16-24 Thd. (4)	
13	719-0150		Housing Half (1)	
14	715-0123		Dowel Pin 3/16" Dia. x .62" Lg. (2)	
15	736-0119		Spring Lockwasher 5/16" Scr. * (8)	
16	748-0169		Flange Bearing (2)	
17	737-0120		Grease—High Temp. 450 F. (2 oz.)	

*For faster service obtain standard nuts and bolts locally. If these items cannot be obtained locally, order by part number and size as shown on the parts list.

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

ALABAMA	BIRMINGHAM
Auto Electric & Carburetor Co.	2625 4th Ave. S. 35233
ARKANSAS	NORTH LITTLE ROCK
Sutton's Lawn Mower Shop	Rt. 4, Box 368 72117
FORT SMITH	
Mity Mite Motors, Inc.	2515 Towson Ave. 72901
CALIFORNIA	SAN BERNARDINO
Lawn Mower Supply Co.	25608 E. Baseline 92410
SAN FRANCISCO	
J.W. Jewett Co.	981 Folsom St. 94107
SACRAMENTO	
Lutting & Severson	2030 28th St. 95818
COLORADO	DENVER
South Denver Lawn Equip.	527 West Evans 80223
CONNECTICUT	SUFFIELD
The Jones & Ramsey Co.	850 Thompsonville Rd. 06078
FLORIDA	JACKSONVILLE
Radco Distributors	2403 Market St. 32206
CORAL GABLES	
Moz-All of Florida, Inc.	365 Greco Ave. 33146
GEORGIA	EAST POINT
East Point Cycle & Key	2834 Church St. 30344
ILLINOIS	LYONS
Keen Edge Co.	8615 Ogden Ave. 60534
INDIANA	ELKHART
Parts & Sales Inc.	2101 Industrial Pkwy. 46514
CORYDON	
Brown Equip. Dist., Inc.	110 Beech St. 47112
IOWA	DUBUQUE
Power Lawn & Garden Equip.	2551 J.F. Kennedy 52001
KANSAS	WICHITA
Hixon, Inc.	3030 Mascot 67204
LOUISIANA	NEW ORLEANS
Suhren Engine Co.	8330 Earhart Blvd. 70118
MARYLAND	TAKOMA PARK
Center Supply Co.	6867 New Hampshire Ave. 20012
MASSACHUSETTS	SPRINGFIELD
Morton B. Collins Co.	300 Birnie Ave. 01107
MICHIGAN	MOUNT CLEMENS
Power Equipment Dist.	36463 South Gratiot ... 48043
LANSING	
Lorenz Service Co.	2500 S. Pennsylvania .. 48900
MINNESOTA	MINNETONKA
Hance Distributing Inc.	11212 Woyzata Blvd. .. 55343
MISSISSIPPI	BILOXI
Biloxi Sales & Service, Inc.	506 Caillavet St. 39533
MISSOURI	KANSAS CITY
Automotive Equip. Service	3117 Holmes St. 64109
ST. LOUIS	
Henzler, Inc.	2015 Lemay Ferry Rd. 63125
NEBRASKA	OMAHA
R.P.W., Inc.	7402 "L" St. 68127

BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines*, *Gasoline*, Briggs & Stratton or Tecumseh.

NEW YORK	CARTHAGE
Gamble Dist., Inc.	West End Ave. 13619
SYRACUSE	
Kimber's, Inc.	115 N. Geddes St. 13204
ROCHESTER	
Henry W. O'Neil & Associates ..	410 N. Goodman St. 14609
NORTH CAROLINA	GREENSBORO
Dixie Sales Company	327 Battleground Ave. 27402
GOLDSBORO	
Smith Hardware Co.	515 N. George St. 27530
OHIO	WADSWORTH
National Central	687 Seville Rd. 44281
CLEVELAND	
Bleckrie, Inc.	7900 Lorain Ave. 44102
CARROL	
Stebe's Mid-State Mower Supply Box 366	43112
WILLARD	
Sunshine Wholesale Tire Outlet Route 224	44890
MANSFIELD	
McClure Lawn & Garden Supply...1114 Lexington Ave. .	44903
OKLAHOMA	MUSKOGEE
Victory Motors, Inc.	605 S. Cherokee 74401
ADA	
Ada Auto Supply	301 E. 12th St. 74820
OREGON	PORTLAND
Kenton Supply Co.	8216 N. Denver Ave. 97217
PENNSYLVANIA	LANCASTER
Raub Supply Co.	James & Mulberry Sts...17604
PITTSBURGH	
Bluemont Co.	11125 Frankstown Rd. 15235
TENNESSEE	KNOXVILLE
Master Repair Service	2423 Broadway, N.E. 37917
MEMPHIS	
Memphis Cycle & Supply Co.	421 Monroe Ave. 38103
American Sales & Service, Inc.	1922 Lynnbrook 38117
TEXAS	DALLAS
Marr Brothers, Inc.	423 E. Jefferson 75203
HOUSTON	
Bullard Supply Co.	2409 Commerce St. 77003
SAN ANTONIO	
Catto & Putty, Inc.	P.O. Box 2408 78206
FORT WORTH	
Woodson Sales Corp.	1702 N. Sylvania 76111
UTAH	SALT LAKE CITY
A-1 Engine & Mower Co.	437 E. 9th St. 84111
VERMONT	BURLINGTON
Vermont Appliance Co.	44 Lakeside Ave. 05401
VIRGINIA	RICHMOND
RBI Corp.	963 Myers St. 23260
WASHINGTON	SEATTLE
Bailey's Rebuild, Inc.	1325 E. Madison St. 98102
WEST VIRGINIA	CHARLESTON
Young's, Inc.	233 Virginia St., E. 25301
WISCONSIN	APPLETON
Automotive Supply Co.	123 S. Linwood Ave. 54911

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.